

- 1 1. A method comprising:
2 optically isolating a radio frequency component
3 from a lower frequency component of a transceiver.
- 1 2. The method of claim 1 including optically
2 isolating a radio frequency power amplifier.
- 1 3. The method of claim 1 including optically
2 isolating a low noise amplifier.
- 1 4. The method of claim 1 further including optically
2 isolating frequency conversion stages.
- 1 5. The method of claim 1 including linking the radio
2 frequency component and lower frequency component with an
3 optical waveguide.
- 1 6. The method of claim 1 including converting a
2 radio frequency signal to an optical signal using a laser.
- 1 7. The method of claim 1 including optically
2 isolating the radio frequency component from a baseband
3 component.

1 8. The method of claim 1 including optically
2 isolating the radio frequency component from an
3 intermediate frequency component.

1 9. A wireless device comprising:
2 a radio frequency component;
3 a lower frequency component to operate at a
4 frequency lower than radio frequency; and
5 an optical link to link said components.

1 10. The device of claim 9 wherein said radio
2 frequency component is a power amplifier.

1 11. The device of claim 9 wherein said radio
2 frequency component is a low noise amplifier.

1 12. The device of claim 9 including a receiver.

1 13. The device of claim 9 including a transmitter.

1 14. The device of claim 9 including two frequency
2 conversion stages and an optical isolator between said
3 stages.

1 15. The device of claim 9 wherein said lower
2 frequency component is a baseband component.

1 16. The device of claim 9 wherein said lower
2 frequency component is an intermediate frequency component.

1 17. A system comprising:
2 a controller;
3 a radio frequency component;
4 a lower frequency component;
5 an optical link to link said components; and
6 a wireless interface coupled to said radio
7 frequency component.

1 18. The system of claim 17 wherein said radio
2 frequency component is a power amplifier.

1 19. The system of claim 17 wherein said radio
2 frequency component is a low noise amplifier.

1 20. The system of claim 17 further including two
2 frequency conversion stages and an optical isolator between
3 said stages.

1 21. The system of claim 17 including a receiver.

1 22. The system of claim 17 including a transmitter.

1 23. The system of claim 17 wherein said lower
2 frequency component is a baseband component.

1 24. The system of claim 17 wherein said lower
2 frequency component is an intermediate frequency component.

1 25. The system of claim 17 wherein said wireless
2 interface is a dipole antenna.